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Derwent Title: Electronic protection circuit against electric shock - has transistor fed contactor coil switched by earth current level

Assignee: SATYANARYANA V S Individual

Inventor: None

Accession/Update: 1976-B0029X / 197605

IPC Code: H02H 3/14 ;

Derwent Classes: X13;

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code
FR2267646A * 1975-12-12 197605 French H02H 3/14

[Show legal status actions](#)

Priority Number:

Application Number	Filed	Original Title
US1973000325419	1973-01-22	SHOCK PREVENTION

Related Accessions:

Accession Number	Type	Derwent Update	Derwent Title
1975-B9327W	R	197507	Shock prevention device for disconnecting load from source - has energizing coil actuating power switch, controlled by leak-actuated transistor
1 item found			

Title Terms: ELECTRONIC PROTECT CIRCUIT ELECTRIC SHOCK TRANSISTOR FEED CONTACT COIL SWITCH EARTH CURRENT LEVEL

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Title: **FR2267646B3:**

Derwent Title: **Electronic protection circuit against electric shock - has transistor fed contactor coil switched by earth current level**
[Derwent Record]

Country: **FR** France

Kind: **B3** Certificate of Utility (Second Publication) ! (See also: [FR2267646A1](#))

Inventor: **None**

Assignee: **SATYANARYANA VARAHUR** India

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Published / Filed: **1977-02-11 / 1974-04-10**

Application Number: **FR1974007412600**

IPC Code: **H02H 3/14;**

ECLA Code: **None**

Priority Number: **1974-04- FR1974007412600**

INPADOC Legal Status: **None** Get Now: [Family Legal Status Report](#)

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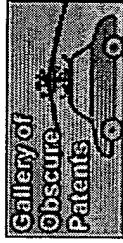
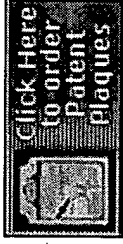
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FR2267646

Patent number: FR2267646
Publication date: 1975-11-07
Inventor:
Applicant: SATYANARYANA VARAHUR (IN)
Classification:
- international: H02H3/14
- european: H02H3/14; H02H3/16F; H02H3/33
Application number: FR19740012600 19740410
Priority number(s): DE19742418073 19740413

Also published as:



DE2418073 (A)

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Title: **US3864581: SHOCK PREVENTION DEVICE**

Derwent Title: Shock prevention device for disconnecting load from source - has energizing coil actuating power switch, controlled by leak-actuated transistor [\[Derwent Record\]](#)

Country: US United States of America

Inventor: Satyanarayana, Varahur Srinivasa; New Delhi, India

Assignee: None

Published / Filed: 1975-02-04 / 1973-01-22

Application Number: US1973000325419

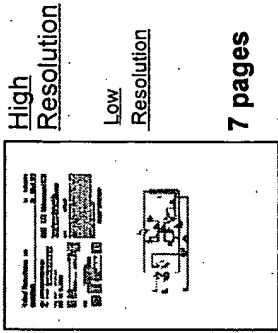
IPC Code: H02H 3/16;

U.S. Class: Current: 307/326; 361/042; 361/049; 361/098; Original: 307/092; 317/018;

Field of Search: 317/18 A, 18 C, 18 D 307/092

Priority Number: 1973-01- US1973000325419

Abstract: A device for disconnecting a load from a power source upon a leakage occurring in said load and which comprises an energizing coil which actuates a first switch to connect the load to the power source and a transistor having a biasing means connected to said load and such that upon leakage in the load, the transistor is biased



and thereby deenergizes the coil and the first switch is opened.

Attorney, Agent
or Firm: **Hammond & Littell** ;
Primary / Asst.
Examiners:
Family: None
First Claim: [Show all 10 claims](#)

What is claimed is: 1. A device adapted to disconnect a load from a power source upon a leakage occurring in said load comprising an energizing coil adapted to be connected to a main source, a first switch capable of being closed upon the energization of said coil and thereby connecting a load to the power source, a transistor connected to the energizing coil and having a biasing means, said transistor and biasing means adapted to be connected to said load, such that upon a leakage occurring in the body of the load the transistor is biased and thereby deenergizes said coil and whereby said first switch is opened, and means for preventing a shock to a human body upon contacting a live conductor of the load and which comprises a current transformer connected to said first switch, the secondary of said transformer connected to said transistor through a second biasing means such that said transistor is capable of being biased by said first and/or second biasing means and whereby the coil is deenergized and the first said switch opened.

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
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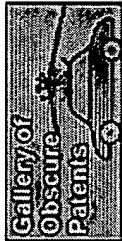
PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US3214638*	1965-10	Moser et al.		
	US3241638*	1965-10	Moser et al.		
	US3407337	1968-10	Benham		LEAK DETECTOR FOR SWIMMING POOL LIGHTS AND THE LIKE

	US3492533	1970-01	Thurston	GROUND FAULT DETECTION FOR POWER DISTRIBUTION
	US3728581	1973-04	Adamo	GROUND FAULT CIRCUIT INTERRUPTER
* some details unavailable				

 Foreign

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References:



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